

PATENT OF INVENTION

5 **INSTITUT FRANÇAIS DU PÉTROLE**
 ENI S.p.A.

10 **HIGH-PRESSURE FISCHER-TROPSCH SYNTHESIS PROCESS**
 USING AN OPTIMIZED COOLANT

15 **Invention of Ari MINKKINEN, Reynald BONNEAU, Jean Marc**
 SCHWEITZER

ABSTRACT

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Process for synthesis of hydrocarbons by Fischer-Tropsch reaction starting from synthesis gas, operating in three-phase fluidization, the reactor having an exchanger immersed within the fluidized bed and using as coolant a fluid introduced at its boiling point at a pressure slightly greater than the pressure of the process, this boiling
25 point being from 10 to 70°C below the temperature of the process.

Figure 1 to be published.